

Properties of GATONE™ 5300PF & 5600PF

Typical Values Test

General	Method	Units	5300PF	5600PF
Specific Gravity ¹	ASTM D 792	gm/cc	1.30	1.30
Moisture content ²	P/QA/I/043	%	0.2	0.2
Volatile Content	by TGA	%	0.5	0.5
Inherent viscosity of 0.5%(w/v) solution in 98%H ₂ SO ₄ @25°C	ASTM D 2857	dl/gm	0.9	0.78
Particle size (Passing through 105 micron)	P/QA/I/503	%	98	98
Mechanical¹				
Tensile Strength	ASTM D 638	MPa	90	90
Tensile Modulus	ASTM D 638	MPa	3500	3500
Tensile Elongation at Break	ASTM D 638	%	>50	>20
Flexural Strength	ASTM D 790	MPa	145	145
Flexural Modulus	ASTM D 790	MPa	3500	3500
Impact Strength- Notched Izod	ASTM D 256	J/m	60	50
Thermal				
Melt point	DSC	°C	340	340
Glass transition temperature	DSC	°C	145	145

1 These properties has been determined from injection molded test specimen under ideal processing parameters and conditioned at 23+/- 2°C and 50%RH .

2 Moisture is measured at the time of packing. GATONE™ is hygroscopic and may absorb moisture during storage and therefore should be dried at 170°C for minimum 3 hours before use.